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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/051,951	01/17/2002	John R. Hind	RSW920010122US1	1746
7590 Jeanine S. Ray-Yarletts IBM Corporation T81/503 PO Box 12195 Research Triangle Park, NC 27709			EXAMINER BETIT, JACOB F	
			ART UNIT 2164	PAPER NUMBER
			MAIL DATE 08/10/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Interview Summary	Application No.	Applicant(s)	
	10/051,951	HIND ET AL.	
	Examiner	Art Unit	
	Sam Rimell	2164	

All participants (applicant, applicant's representative, PTO personnel):

(1) Sam Rimell. (3) _____

(2) Greg Hsu. (4) _____

Date of Interview: 6/25/07

Type: a) ☒ Telephonic b) ☐ Video Conference
c) ☐ Personal [copy given to: 1) ☐ applicant 2) ☐ applicant's representative]

Exhibit shown or demonstration conducted: d) ☐ Yes e) ☒ No.
If Yes, brief description: _____

Claim(s) discussed: N/A.

Identification of prior art discussed: N/A.

Agreement with respect to the claims f) ☐ was reached. g) ☐ was not reached. h) ☒ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: See Continuation Sheet.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.



Examiner's signature, if required

Summary of Record of Interview Requirements

Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews

Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

Continuation of Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: Applicant's representative asserted that claims in proposed draft (attached) are in fact identical to the claim version of June 14, 2006, examined on the merits in the office action of August 17, 2006. Claims listed as newly added are asserted to be versions of cancelled claims which had been previously examined on the merits. Therefore, all claims in the proposed response are asserted to have been previously examined on the merits. Examiner indicated that response should consist of a proposed amendment and an appeal brief together. Decision on whether or not to enter these papers will be made with consultation of Technology Center SPRE.

FAX TRANSMISSION**DATE:** June 20, 2007**PTO IDENTIFIER:** Application Number 10/051,951-Conf. #1746
Patent Number**Inventor:** John HIND**MESSAGE TO:** Sam Rimell**FAX NUMBER:** (571)273-4084**FROM:** BIRCH, STEWART, KOLASCH & BIRCH, LLP
Cheng-Kang (Greg) Hsu**PHONE:** (703) 205-8075**Attorney Dkt. #:** 3895-0102P**PAGES (Including Cover Sheet):** 31**CONTENTS:**

The attached draft amendment is prepared in view of your discussion with Bob Webster on June 19, 2007. This draft amendment is for the discussion purpose only. Should you have any question, please feel free to contact me.

If your receipt of this transmission is in error, please notify this firm immediately by collect call to sender at (703) 205-8000 and send the original transmission to us by return mail at the address below.

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AMENDMENTS TO THE CLAIMS

1-2. (Cancelled)

3. (Currently Amended) The method of claim 8894, further comprising the step of:
incrementally uploading any new meta data generated during the current user session
from the computing device to the central repository.

4. (Currently Amended) The method of claim 8894, wherein the connecting step
comprises:

receiving, by the central repository subsystem, authentication information from the user;
verifying validity of the authentication information; and
notifying the computing device that the user has proper authority to access the central
repository if the authentication information is verified as valid.

5. (Previously Presented) The method of claim 4, wherein the authentication information
comprises user identification, a pass phrase of the user, and an identifier for the central
repository or a component at the central repository subsystem.

6. (Previously Presented) The method of claim 5, wherein the verifying step comprises:

determining a secret key represented as a hash of:

the received user identification, concatenated with a hash of the received identifier,
concatenated with the received pass phrase; and

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comparing the secret key with a stored key associated with the user.

7. (Currently Amended) The method of claim ~~8894~~, wherein the updating step comprises:
determining if the local repository is at a null state;

first requesting the central repository subsystem to transmit any segment associated with the user that has not been applied to the computing device if the determining step indicates that the local repository is not at a null state; and

second requesting the central repository subsystem to transmit all segments associated with the user if the determining step indicates that the local repository is at a null state.

8. (Previously Presented) The method of claim 7, wherein the updating step further comprises:

receiving at least one segment from the central repository subsystem in response to said first requesting step;

decrypting the at least one segment; and

applying the decrypted at least one segment to the meta data collection to produce the meta data collection associated with the user.

9. (Previously Presented) The method of claim 7, wherein the updating step further comprises:

receiving at least one segment from the central repository subsystem in response to said second requesting step;

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decrypting the at least one segment; and

generating the meta data collection for the user using the decrypted at least one segment.

10. (Currently Amended) The method of claim ~~88~~94, wherein the retrieving step is performed using heuristics algorithms and the utilizing step further comprises applying the retrieved meta data in each of the different contexts.

11. (Previously Presented) The method of claim 10, wherein the current context comprises at least one of the following: opening a web page, filling in a computer form, filling in a password-changing form, providing a certificate, opening a computer file, processing a computer file, or executing an application program.

12. (Previously Presented) The method of claim 10, wherein the utilizing step further comprises:

continuously collecting meta data resulting from use of the computing device during the current user session at the computing device; and

the method further comprises:

generating a new segment based on the collected meta data upon completion of the current user session; and

processing the new segment.

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13. (Previously Presented) The method of claim 12, wherein the processing step comprises:

updating the meta data collection with the new segment.

14. (Previously Presented) The method of claim 12, wherein the meta data comprises application data for being usable in an application executable on the computing device, and context data for identifying context in which said application data are used, and

wherein the utilizing step further comprises:

determining statistical information associated with the meta data, the statistical information indicating relationships between the meta data, wherein the retrieving step is performed in part based on the statistical information.

15. (Original) The method of claim 14, wherein the context data identify at least one of the following: user roles, uniform resource identifiers (URIs), file names, and/or form names pertaining to the application data.

16. (Previously Presented) The method of claim 14, wherein the application data comprise at least one of the following: page display setting data, file display setting data, user ID/password combinations, field values for computer forms, user's preference data, bookmarks, and certificates.

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17. (Previously Presented) The method of claim 10, wherein the current context is for filling in a computer form, and the applying step comprises:

automatically filling in the computer form with said most appropriate meta data.

18. (Previously Presented) The method of claim 10, wherein, if the current context is for filling in a computer form, the utilizing step further comprises:

retrieving, from the meta data collection, alternative meta data that are related to the current context of filling in the computer form; and

presenting the alternative meta data to the user for the user's consideration.

19. (Previously Presented) The method of claim 10, wherein the current context is for filling in a password-changing computer form, and the retrieved meta data comprises a user identification and a password, and

wherein the applying step comprises:

presenting to the user the password in an obfuscated format; determining whether it is safe to present the actual password to the user; and

presenting the actual password in a non-obfuscated format when it is determined to be safe to present the actual password.

20. (Currently Amended) The method of claim 8894, wherein the utilizing step comprises:

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formulating search requirements based on a current context of using the computing device; and

executing a search based on the search requirements using heuristics algorithms.

21. (Original) The method of claim 20, wherein the search requirements specify weighted properties of the current context of using the computing device.

22. (Currently Amended) The method of claim 88~~94~~, further comprising the step of:
providing a graphical user interface (GUI) for allowing the user to organize the meta data collection.

23. (Original) The method of claim 22, wherein the GUI displays a graphical tool in a cylindrical configuration for organizing the meta data collection.

24. (Cancelled)

25. (Previously Presented) The method of claim 88, wherein, in the encrypting step, the encryption key is represented as a hash of identifying information associated with the new segment, concatenated with a pass phrase of the user.

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26. (Currently Amended) The method of claim 8894, wherein the computing device implements a Common Data Security Architecture (CDSA), and the utilizing step is performed by a CDSA add-on module.

27. (Currently Amended) The method of claim 8894, wherein the central repository subsystem is implemented using WebDAV protocols.

28-29. (Cancelled)

30. (Currently Amended) The computer program product of claim 8996, further comprising:

computer executable code configured to incrementally upload any new meta data generated during the current user session from the computing device to the central repository.

31. (Currently Amended) The computer program product of claim 8996, wherein the computer executable code configured to connect comprises:

computer executable code configured to receive, by the central repository subsystem, authentication information from the user;

computer executable code configured to verify validity of the authentication information;

and

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computer executable code configured to notify the computing device that the user has proper authority to access the central repository if the authentication information is verified as valid.

32. (Previously Presented) The computer program product of claim 31, wherein the authentication information comprises user identification, a pass phrase of the user, and an identifier for the central repository or a component at the central repository subsystem.

33. (Previously Presented) The computer program product of claim 32, wherein the computer executable code configured to verify comprises:

computer executable code configured to determine a secret key represented as a hash of:

the received user identification, concatenated with a hash of the received identifier,
concatenated with the received pass phrase; and

computer executable code configured to compare the secret key with a stored key associated with the user.

34. (Currently Amended) The computer program product of claim ~~8996~~, wherein the computer executable code configured to update comprises:

computer executable code configured to determine if the local repository is at a null state;

computer executable code configured to first request the central repository subsystem to transmit any segment associated with the user that has not been applied to the computing device if the local repository is not at a null state; and

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computer executable code configured to second request the central repository subsystem to transmit all segments associated with the user if the local repository is at a null state.

35. (Previously Presented) The computer program product of claim 34, wherein the computer executable code configured to update further comprises:

computer executable code configured to receive at least one segment from the central repository subsystem in response to said first requesting instructions;

computer executable code configured to decrypt the at least one segment; and

computer executable code configured to apply the decrypted at least one segment to the meta data collection to produce the meta data collection associated with the user.

36. (Previously Presented) The computer program product of claim 34, wherein the computer executable code configured to update further comprises:

computer executable code configured to receive at least one segment from the central repository subsystem in response to said second requesting instructions;

computer executable code configured to decrypt the at least one segment; and

computer executable code configured to generate the meta data collection for the user using the decrypted at least one segment.

37. (Currently Amended) The computer program product of claim 8996, wherein the computer executable code configured to retrieve is implemented using heuristics algorithms and

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the computer executable code configured to utilize further comprises computer executable code configured to apply the retrieved meta data in each of the different contexts.

38. (Previously Presented) The computer program product of claim 37, wherein the current context comprises at least one of the following: opening a web page, filling in a computer form, filling in a password-changing form, providing a certificate, opening a computer file, processing a computer file, or executing an application program.

39. (Previously Presented) The computer program product of claim 37, wherein the computer executable code configured to utilize further comprises:

computer executable code configured to continuously collect meta data resulting from use of the computing device during the current user session at the computing device; and

the method further comprises:

computer executable code configured to generate a new segment based on the collected meta data upon completion of the current user session; and

computer executable code configured to process the new segment.

40. (Previously Presented) The computer program product of claim 39, wherein the computer executable code configured to process comprises:

computer executable code configured to update the meta data collection with the new segment.

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41. (Previously Presented) The computer program product of claim 39, wherein the meta data comprises application data for being usable in an application executable on the computing device, and context data for identifying context in which said application data are used, and

wherein the computer executable code configured to utilize further comprises:

computer executable code configured to determine statistical information associated with the meta data, the statistical information indicating relationships between the meta data, wherein the computer executable code configured to retrieve is executed in part based on the statistical information.

42. (Original) The computer program product of claim 41, wherein the context data identify at least one of the following: user roles, uniform resource identifiers (URIs), file names, and/or form names pertaining to the application data.

43. (Previously Presented) The computer program product of claim 41, wherein the application data comprise at least one of the following: page display setting data, file display setting data, user ID/password combinations, field values for computer forms, user's preference data, bookmarks, and certificates.

44. (Previously Presented) The computer program product of claim 37, wherein the current context is for filling in a computer form, and the computer executable code configured to apply comprises computer executable code configured to automatically fill in the computer form with said most appropriate meta data.

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45. (Previously Presented) The computer program product of claim 37, wherein, if the current context is for filling in a computer form, the computer executable code configured to utilize further comprises:

computer executable code configured to retrieve, from the meta data collection, alternative meta data that are related to the current context of filling in the computer form; and

computer executable code configured to present the alternative meta data to the user for the user's consideration.

46. (Previously Presented) The computer program product of claim 37, wherein the current context is for filling in a password-changing computer form, and the retrieved meta data comprises a user identification and a password, and

wherein the computer executable code configured to apply comprises:

computer executable code configured to present to the user the password in an obfuscated format;

computer executable code configured to determine whether it is safe to present the actual password to the user; and

computer executable code configured to present the actual password in a non-obfuscated format when it is determined to be safe to present the actual password.

47. (Currently Amended) The computer program product of claim 8996, wherein the computer executable code configured to utilize comprises:

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computer executable code configured to formulate search requirements based on a current context of using the computing device; and

computer executable code configured to execute a search based on the search requirements using heuristics algorithms.

48. (Original) The computer program product of claim 47, wherein the search requirements specify weighted properties of the current context of using the computing device.

49. (Currently Amended) The computer program product of claim 8996, further comprising:

computer executable code configured to provide a graphical user interface (GUI) for allowing the user to organize the meta data collection.

50. (Original) The computer program product of claim 49, wherein the GUI displays a graphical tool in a cylindrical configuration for organizing the meta data collection.

51. (Cancelled)

52. (Previously Presented) The computer program product of claim 89, wherein the encryption key is represented as a hash of identifying information associated with the new segment, concatenated with a pass phrase of the user.

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53. (Currently Amended) The computer program product of claim 8996, wherein the computing device is configured in Common Data Security Architecture (CDSA), and the computer executable code configured to utilize is executed by an add-on module to the CDSA configuration.

54. (Currently Amended) The computer program product of claim 8996, wherein the central repository subsystem is implemented using WebDAV protocols.

55. (Cancelled)

56. (Currently Amended) The system of claim 9098, wherein the computing device uploads any new segment to the central repository at a predetermined time.

57. (Currently Amended) The system of claim 9098, wherein the computing device incrementally uploads to the central repository any new meta data generated during the current user session.

58. (Cancelled)

59. (Currently Amended) The system of claim 9098, wherein the central repository subsystem further comprises a manager for managing the central repository, and

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wherein the central repository subsystem receives from the computing device authentication information input by the user, verifies validity of the authentication information, and notifies the computing device that the user has proper authority to access the central repository if the authentication information is verified as valid.

60. (Previously Presented) The system of claim 59, wherein the authentication information comprises user identification, a pass phrase of the user, and an identifier for the central repository or a component at the central repository subsystem.

61. (Previously Presented) The system of claim 59, wherein the central repository subsystem determines a secret key represented as a hash of:

the received user identification, concatenated with a hash of the received identifier, concatenated with the received pass phrase, and

the central repository subsystem compares the secret key with a stored key associated with the user to verify the user's authentication information.

62. (Currently Amended) The system of claim 9099, wherein the data repository module determines if the local repository is at a null state, transmits a first request to the central repository subsystem to transmit any segment associated with the user that has not been applied to the computing device if the local repository is not at a null state, and transmits a second request to the central repository subsystem to transmit all segments associated with the user if the local repository is at a null state.

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63. (Original) The system of claim 62, wherein the encryption/decryption module receives at least one segment from the central repository subsystem in response to said first request, and decrypts the at least one segment, and wherein the data repository module applies the decrypted at least one segment to the meta data collection to produce the meta data collection associated with the user.

64. (Original) The system of claim 62, wherein the encryption/decryption module receives at least one segment from the central repository subsystem in response to said second request, and decrypts the at least one segment, and wherein the data repository module generates the meta data collection for the user using the decrypted at least one segment.

65. (Currently Amended) The system of claim ~~9099~~, wherein the data repository module retrieves the most appropriate meta data using heuristics algorithms and transmits the retrieved meta data to an appropriate one of the applications which in turn applies the retrieved meta data in each of the different contexts.

66. (Previously Presented) The system of claim 65, wherein the current context comprises at least one of the following: opening a web page, filling in a computer form, filling in a password-changing form, providing a certificate, opening a computer file, processing a computer file, or executing an application program.

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67. (Original) The system of claim 65, wherein the data repository module continuously collects meta data resulting from use of the computing device during the current user session at the computing device, and generates a new segment based on the collected meta data upon completion of the current user session.

68. (Previously Presented) The system of claim 67, wherein the data repository module updates the meta data collection with the new segment.

69. (Previously Presented) The system of claim 67, wherein the meta data comprises application data for being usable in an application executable on the computing device, and context data for identifying context in which said application data are used, and

wherein the data repository module determines statistical information associated with the meta data and retrieves said appropriate meta data based on the statistical information, the statistical information indicating relationships between the meta data.

70. (Original) The system of claim 69, wherein the context data identify at least one of the following: user roles, uniform resource identifiers (URIs), file names, and/or form names pertaining to the application data.

71. (Previously Presented) The system of claim 69, wherein the application data comprises at least one of the following: page display setting data, file display setting data, user

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ID/password combinations, field values for computer forms, user's preference data, bookmarks, and certificates.

72. (Original) The system of claim 65, wherein the current context is for filling in a computer form, and said appropriate one of the applications automatically fills the computer form with said most appropriate meta data.

73. (Original) The system of claim 65, wherein, if the current context is for filling in a computer form, the data repository module retrieves, from the meta data collection, alternative meta data that are related to the current context of filling in the computer form, and transmits the alternative meta data to said appropriate one of the applications which in turn presents the alternative meta data to the user for the user's consideration.

74. (Previously Presented) The system of claim 65, wherein the current context is for filling in a password-changing computer form, and the retrieved meta data comprises a user identification and a password, and wherein the data repository module controls said appropriate one of the applications to present to the user the password in an obfuscated format, determines whether it is safe to present the actual password to the user, and controls said appropriate one of the applications to present the actual password in a non-obfuscated format when it is determined to be safe to present the actual password.

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75. (Currently Amended) The system of claim 9099, wherein the data repository module formulates search requirements based on a current context of using the computing device, and executes a search based on the search requirements using heuristics algorithms.

76. (Original) The system of claim 75, wherein the search requirements specify weighted properties of the current context of using the computing device.

77. (Currently Amended) The system of claim 9098, further comprising:
a meta data editor for allowing the user to organize the meta data collection.

78. (Original) The system of claim 77, wherein the meta data editor displays a graphical tool in a cylindrical configuration for organizing the meta data collection.

79. (Cancelled)

80. (Previously Presented) The system of claim 90, wherein the encryption key is represented as a hash of identifying information associated with the new segment, concatenated with a pass phrase of the user.

81. (Currently Amended) The system of claim 9099, wherein the computing device is configured in Common Data Security Architecture (CDSA), and the data repository module is an add-on module to the CDSA configuration.

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82. (Currently Amended) The system of claim 9098, wherein the central repository subsystem is implemented using WebDAV protocols.

83. (Currently Amended) The system of claim 9098, wherein at least one of the central repository and the local repository is implemented using a network-attached storage.

84. (Currently Amended) The system of claim 9099, wherein the data repository module resides on a proxy machine accessible through a predetermined connection means.

85-87. (Cancelled)

88. (Previously Presented) A method of managing meta data using a central repository at a central repository subsystem, the central repository being accessible by a computing device through a communications network, the method comprising the steps of:

connecting to the central repository through the communications network based on a user input;

updating a local repository of the computing device with at least one segment from the central repository that is associated with the user to produce a meta data collection associated with the user;

utilizing, by the computing device, the meta data collection during a current user session at the computing device to assist the user in using the computing device; and

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uploading any new segment from the computing device to the central repository at a predetermined time, wherein the uploading step comprises:

- temporarily locking the local repository;
- encrypting the new segment using an encryption key;
- transmitting the encrypted new segment from the computing device to the central repository subsystem for storage in the central repository; and
- unlocking the local repository.

89. (Previously Presented) A computer program product embodied on computer readable medium readable by at least one of a computing device and a central repository subsystem, for managing meta data using a central repository at the central repository subsystem, the central repository being accessible by the computing device through a communication network, the computer program product comprising:

- computer executable code configured to connect, through the communications network, to the central repository based on a user input;

- computer executable code configured to update a local repository of the computing device with at least one segment from the central repository that is associated with the user to produce a meta data collection associated with the user;

- computer executable code configured to utilize, by the computing device, the meta data collection during a current user session at the computing device to assist the user in using the computing device; and

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computer executable code configured to upload any new segment from the computing device to the central repository at a predetermined time, wherein the computer executable code configured to upload comprises:

computer executable code configured to temporarily lock the local repository;

computer executable code configured to encrypt the new segment using an encryption key;

computer executable code configured to transmit the encrypted new segment from the computing device to the central repository subsystem for storage in the central repository; and

computer executable code configured to unlock the local repository.

90. (Previously Presented) A system for managing meta data in a secure manner, the system comprising:

a central repository subsystem comprising a central repository for storing a plurality of segments associated with a user in a collection order; and

at least one computing device capable of communicating with the central repository subsystem through a communications network, the computing device comprising a local repository and being capable of connecting, through the communications network, to the central repository based on a user input, updating the local repository with at least one of the segments from the central repository to produce a meta data collection associated with the user, and utilizing the meta data collection during a current user session at the computing device to assist the user in using the computing device,

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wherein the computing device further comprises:

a plurality of applications selectably executable on the computing device;

a security-service providing architecture structure for selectively providing security-based services to at least one of the plurality of applications;

a data repository module, provided as an add-in module to the security-service providing architecture, for utilizing the meta data collection to assist the user in using the computing device; and

an encryption/decryption module for encryption any new segment to be transmitted to the central repository subsystem, and wherein the data repository module temporarily locks the local repository and creates the new segment based on collected meta data, the encryption/decryption module encrypts the new segment using an encryption key, and the data repository module transmits the encrypted new segment to the central repository subsystem for storage in the central repository and unlocks the local repository.

91. (Currently Amended) The method of claim ~~88~~94, wherein the meta data collection stored in the local repository of the computing device at the user's side includes a plurality of meta data groups, each of the meta data groups corresponding to one of a plurality of roles of the user.

92. (Currently Amended) The computer program product of claim ~~28~~96, wherein the meta data collection stored in the local repository of the computing device at the user's side

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includes a plurality of meta data groups, each of the meta data groups corresponding to one of a plurality of roles of the user.

93. (Currently Amended) The system of claim 9098, wherein the meta data collection stored in the local repository of the computing device at the user's side includes a plurality of meta data groups, each of the meta data groups corresponding to one of a plurality of roles of the user.

94. (New) A method of managing meta data using a central repository at a central repository subsystem, the central repository being accessible by a computing device through a communications network, the method comprising the steps of:

connecting to the central repository through the communications network based on a user input;

updating a local repository of the computing device with at least one segment from the central repository that is associated with the user to produce a meta data collection associated with the user; and

utilizing, by the computing device, the meta data collection during a current user session at the computing device to assist the user in using the computing device,

wherein the utilizing step comprises retrieving, from the meta data collection, meta data that would be most appropriate for each of different contexts of using the computing device, based on at least a current role of the user.

95. (New) The method of claim 94, further comprising the step of:

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uploading any new segment from the computing device to the central repository at a predetermined time.

96. (New) A computer program product embodied on computer readable medium readable by at least one of a computing device and a central repository subsystem, for managing meta data using a central repository at the central repository subsystem, the central repository being accessible by the computing device through a communication network, the computer program product comprising:

computer executable code configured to connect, through the communications network, to the central repository based on a user input;

computer executable code configured to update a local repository of the computing device with at least one segment from the central repository that is associated with the user to produce a meta data collection associated with the user; and

computer executable code configured to utilize, by the computing device, the meta data collection during a current user session at the computing device to assist the user in using the computing device,

wherein the computer executable code configured to utilize comprises computer executable code configured to retrieve, from the meta data collection, meta data that would be most appropriate for each of different contexts of using the computing device, based on at least a current role of the user.

97. (New) The computer program product of claim 96, further comprising:

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computer executable code configured to upload any new segment from the computing device to the central repository at a predetermined time.

98. (New) A system for managing meta data in a secure manner, the system comprising:
a central repository subsystem comprising a central repository for storing a plurality of segments associated with a user in a collection order; and

at least one computing device capable of communicating with the central repository subsystem through a communications network, the computing device comprising a local repository and being capable of connecting, through the communications network, to the central repository based on a user input, updating the local repository with at least one of the segments from the central repository to produce a meta data collection associated with the user, and utilizing the meta data collection during a current user session at the computing device to assist the user in using the computing device,

wherein the computing device retrieves, from the meta data collection, meta data that would be most appropriate for each of different contexts of using the computing device, based on at least a current role of the user.

99. (New) The system of claim 98, wherein the computing device further comprises:
a plurality of applications selectably executable on the computing device;
a security-service providing architecture structure for selectively providing security-based services to at least one of the plurality of applications;

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a data repository module, provided as an add-in module to the security-service providing architecture, for utilizing the meta data collection to assist the user in using the computing device;
and

an encryption/decryption module for encryption any new segment to be transmitted to the central repository subsystem.

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REMARKS

Claims 3-23, 25-50, 52-78, 80-84 and 88-99 are now present in the application. Claims 88-90, 94, 96 and 98 are independent.

The amendments to the claims in this Reply are made based on the Amendment of June 14, 2006. The amended claims are now exactly identical to the claims in the Amendment of January 5, 2006 except for the order of the claims.

In particular, new independent claims 94, 96 and 98 are exactly identical to now-cancelled independent claims 1, 28 and 55, respectively, as presented in the Amendment of January 5, 2006. New dependent claims 95, 97 and 99 are exactly identical to now-cancelled dependent claims 2, 29 and 58, respectively, as presented in the Amendment of January 5, 2006.

In addition, due to the different order of the claims, some dependent claims (dependent from now-cancelled independent claims 1, 28 and 55 and dependent claims 2, 29 and 58) have been respectively redirected to new independent claims 94, 96 and 98 and new dependent claims 95, 97 and 99 accordingly. In summary, the scope of the claims in this Reply is exactly identical to that in the Amendment of January 5, 2006.

CONCLUSION

It is believed that a full and complete response has been made to the Notification, and that as such, Applicants respectfully request to enter this Amendment and the Appeal Brief of January 16, 2007.

In the event there are any matters remaining in this application, the Examiner is invited to contact Cheng-Kang (Greg) Hsu at (703) 205-8000 in the Washington, D.C. area.

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If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 09/0461 for any additional fees required under 37 C.F.R. §§1.16 or 1.17; particularly, extension of time fees.

Dated: DRAFT

Respectfully submitted,

By _____ DRAFT _____
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(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
John HIND

Application No.: 10/051,951

Confirmation No.: 1746

Filed: January 17, 2002

Art Unit: 2164

For: **SYSTEM AND METHOD FOR MANAGING
AND SECURING META DATA USING
CENTRAL REPOSITORY**

Examiner: J. F. Betit

DRAFT
AMENDMENT IN RESPONSE TO NOTIFICATION OF NON-COMPLIANT APPEAL
BRIEF

MS APPEAL BRIEF - PATENTS

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

INTRODUCTORY COMMENTS

In response to the Notification of Non-Compliant Appeal Brief dated May 23, 2007, the following amendments and remarks are respectfully submitted in connection with the above-identified application.

This reply includes:

Amendments to the Claims; and

Remarks.

Birch, Stewart, Kolasch & Birch, LLP

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